



# Shelby County Health Department Epidemiology Program

## HIV Disease and STD Annual Surveillance Summary 2011

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## Shelby County HIV/AIDS and STD Annual Surveillance Statistics, 2011

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**Table 1: HIV Disease Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>464</b>	<b>51.0</b>	<b>440</b>	<b>48.5</b>	<b>395</b>	<b>42.9</b>	<b>331</b>	<b>35.7</b>	<b>347</b>	<b>37.1</b>
<b>Gender</b>										
Male	303	69.7	305	70.6	268	61.1	245	55.3	247	55.4
Female	161	33.9	135	28.4	127	26.4	86	17.7	100	20.4
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Age at Diagnosis</b>										
0 to 9	0	0.0	*	*	*	*	*	*	*	*
10 to 14	0	0.0	0	0.0	*	*	*	*	0	0.0
15 to 19	29	42.1	32	46.8	26	38.2	19	26.5	25	35.2
20 to 24	85	136.2	81	131.5	68	110.3	62	93.3	71	102.6
25 to 34	128	111.8	125	112.6	101	78.1	100	77.1	78	59.2
35 to 44	128	97.2	91	70.9	89	70.5	65	52.0	79	63.9
45 to 54	63	46.2	77	55.9	66	49.8	56	42.1	70	53.4
55 to 64	26	26.0	27	25.8	34	33.7	26	24.6	18	16.3
65+	5	5.5	*	*	6	6.4	*	*	*	*
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Race/Ethnicity</b>										
Black, Not Hispanic	421	90.7	388	84.3	353	75.2	299	62.1	306	63.0
White, Not Hispanic	36	9.6	35	9.4	29	7.9	16	4.5	28	7.8
Hispanic, All Races	*	*	17	41.7	11	23.3	15	28.8	10	18.3
Other Race, Not Hispanic	*	...	0	...	2	...	1	...	3	...
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Exposure Category</b>										
Heterosexual contact	172	...	141	...	130	...	84	...	103	...
Male-to-male sex (MSM)	123	...	136	...	120	...	84	...	114	...
Injection drug use (IDU)	*	...	*	...	*	...	0	...	0	...
MSM & IDU	*	...	*	...	*	...	*	...	0	...
Mother with/at risk for HIV	0	...	*	...	*	...	*	...	0	...
Not Reported/Identified	164	...	157	...	136	...	162	...	130	...

*Morbidity based on date of diagnosis. HIV disease cases include persons with a new diagnosis of HIV infection, which may include persons concurrently diagnosed with AIDS. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 2: HIV Disease Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>303</b>	<b>69.7</b>	<b>305</b>	<b>70.6</b>	<b>268</b>	<b>61.1</b>	<b>245</b>	<b>55.3</b>	<b>247</b>	<b>55.4</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	*	*	*	*	*	*	*	*	*	*
<b>10 to 14</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>15 to 19</b>	20	57.2	23	65.2	17	49.1	15	41.4	19	53.3
<b>20 to 24</b>	53	171.7	64	212.0	54	180.8	52	158.6	60	175.0
<b>25 to 34</b>	83	149.1	82	153.2	70	112.1	80	127.7	59	93.1
<b>35 to 44</b>	82	131.5	62	101.6	58	96.2	39	65.3	53	89.1
<b>45 to 54</b>	45	70.2	54	83.7	40	64.7	39	62.8	41	67.5
<b>55 to 64</b>	19	40.2	16	33.0	26	55.1	18	36.5	12	23.4
<b>65+</b>	*	*	*	*	*	*	*	*	*	*
<b>Unknown</b>	0	...	0	...	0	...	0	...	0	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	269	124.9	265	124.1	241	110.8	217	97.0	214	95.2
<b>White, Not Hispanic</b>	30	16.4	29	16.1	20	11.2	16	9.2	25	14.3
<b>Hispanic, All Races</b>	*	*	11	48.5	6	22.7	11	38.1	6	20.1
<b>Other Race, Not Hispanic</b>	*	...	0	...	1	...	1	...	2	...
<b>Unknown</b>	0	...	0	...	0	...	0	...	0	...
<b>Exposure Category</b>										
<b>Heterosexual contact</b>	74	...	61	...	44	...	34	...	37	...
<b>Male-to-male sex (MSM)</b>	123	...	136	...	120	...	84	...	114	...
<b>Injection drug use (IDU)</b>	*	...	*	...	*	...	0	...	0	...
<b>MSM &amp; IDU</b>	*	...	*	...	*	...	0	...	0	...
<b>Mother with/at risk for HIV</b>	0	...	*	...	0	...	0	...	0	...
<b>Not Reported/Identified</b>	103	...	104	...	102	...	127	...	96	...

*Morbidity based on date of diagnosis. HIV disease cases include persons with a new diagnosis of HIV infection, which may include persons concurrently diagnosed with AIDS. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 3: HIV Disease Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, 2007-2010**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>161</b>	<b>33.9</b>	<b>135</b>	<b>28.4</b>	<b>127</b>	<b>26.4</b>	<b>86</b>	<b>17.7</b>	<b>100</b>	<b>20.4</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	*	*	*	*	*	*	*	*	*	*
<b>10 to 14</b>	0	0.0	0	0.0	*	*	0	0.0	0	0.0
<b>15 to 19</b>	9	26.6	9	27.2	9	26.9	*	*	6	17.0
<b>20 to 24</b>	32	101.5	17	54.1	14	44.1	10	29.7	11	31.5
<b>25 to 34</b>	45	76.4	43	74.8	31	46.4	20	29.8	19	27.8
<b>35 to 44</b>	46	66.4	29	43.1	31	47.0	26	39.9	26	40.6
<b>45 to 54</b>	18	24.9	23	31.4	26	36.7	17	24.0	29	41.3
<b>55 to 64</b>	7	13.3	11	19.6	8	14.9	8	14.2	6	10.1
<b>65+</b>	*	*	*	*	*	*	0	...	*	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	153	61.3	123	49.6	112	44.1	82	31.4	92	35.3
<b>White, Not Hispanic</b>	6	3.1	6	3.2	9	4.7	0	0.0	*	*
<b>Hispanic, All Races</b>	*	*	6	33.2	5	24.0	*	*	*	*
<b>Other Race, Not Hispanic</b>	*	...	0	...	1	...	*	...	*	...
<b>Exposure Category</b>										
<b>Heterosexual contact</b>	98	...	80	...	86	...	50	...	66	...
<b>Injection drug use (IDU)</b>	*	...	*	...	*	...	*	...	*	...
<b>Mother with/at risk for HIV</b>	*	...	*	...	*	...	*	...	*	...
<b>Not Reported/Identified</b>	61	...	53	...	34	...	35	...	34	...

*Morbidity based on date of diagnosis. HIV disease cases include persons with a new diagnosis of HIV infection, which may include persons concurrently diagnosed with AIDS. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)

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**Table 4: HIV Disease Cases and 3-Year Aggregated Rates (per 100,000 population) by Zip Code, Shelby County Residents, 2007-2011**

Zip Code	2007 N	2008 N	2009 N	2010 N	2011 N	2007-2009 Rate	2008-2010 Rate	2009-2011 Rate
38002	*	*	*	*	*	*	*	*
38016	6	0	*	5	7	*	*	*
38017	*	*	*	*	*	*	*	*
38018	*	*	*	*	6	*	*	*
38028	0	*	*	0	0	*	*	*
38053	7	*	*	5	*	*	*	*
38103	*	6	*	*	*	*	*	*
38104	20	15	15	13	15	71.2	61.2	61.2
38105	15	14	6	9	6	188.7	156.3	113.2
38106	35	28	24	27	22	106.5	96.7	89.4
38107	19	11	31	16	11	114.9	109.2	109.2
38108	16	17	22	20	15	97.9	105.0	101.4
38109	42	48	46	27	30	97.3	86.6	73.7
38111	20	20	20	11	18	47.9	40.7	39.1
38112	13	19	9	9	9	78.2	70.6	51.5
38114	28	28	25	14	25	100.4	83.0	79.3
38115	30	27	25	22	22	69.9	63.0	58.8
38116	30	30	28	20	35	72.6	64.4	68.5
38117	*	*	*	5	*	*	*	*
38118	25	27	26	20	25	62.7	58.7	57.1
38119	*	*	6	7	*	*	*	*
38120	0	*	0	0	*	*	*	*
38122	11	11	13	8	6	46.2	42.2	35.6
38125	8	13	11	10	13	29.5	31.4	31.4
38126	12	9	*	11	5	113.6	109.1	90.9
38127	56	29	23	25	22	79.6	56.7	51.6
38128	23	28	18	13	14	51.3	43.8	33.4
38133	*	*	*	*	*	*	*	*
38134	11	11	11	8	10	26.2	23.8	23.0
38135	*	*	*	*	5	*	*	*
38138	*	*	*	0	*	*	*	*
38139	*	0	*	*	0	*	*	*
38141	9	13	*	10	6	37.1	38.6	28.2
Other	7	9	5	6	*	...	...	...
Total	464	440	395	331	347	46.7	41.9	38.6

Morbidity based on date of diagnosis. HIV disease cases include persons with a new diagnosis of HIV infection, which may include persons concurrently diagnosed with AIDS. Case counts of less than five have been suppressed; 3-year aggregated rates based on fewer than 20 events are considered unreliable and have also been suppressed. "Other" includes PO Boxes, unique addresses and unknown zip codes. Data exported October 5, 2012 from EHARS.

Data source: Enhanced HIV/AIDS Reporting System (EHARS); 2010 US Census Zip-Code Population Estimates.

**Table 5: AIDS Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>194</b>	<b>21.3</b>	<b>164</b>	<b>18.1</b>	<b>212</b>	<b>23.0</b>	<b>269</b>	<b>29.0</b>	<b>205</b>	<b>21.9</b>
<b>Gender</b>										
Male	113	26.0	110	25.5	143	32.6	187	42.2	137	30.7
Female	81	17.0	54	11.4	69	14.3	82	16.9	68	13.9
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Age at Diagnosis</b>										
0 to 9	*	*	*	*	*	*	*	*	*	*
10 to 14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15 to 19	*	*	*	*	*	*	*	*	*	*
20 to 24	15	24.0	18	29.2	16	26.0	29	43.6	13	18.8
25 to 34	49	42.8	43	38.7	57	44.1	62	47.8	49	37.2
35 to 44	72	54.7	49	38.2	63	49.9	84	67.2	56	45.3
45 to 54	41	30.1	36	26.1	49	36.9	64	48.2	53	40.5
55 to 64	10	10.0	15	14.3	21	20.8	21	19.9	25	22.6
65+	5	5.5	*	*	*	*	8	8.4	7	7.2
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Race/Ethnicity</b>										
Black, Not Hispanic	174	37.5	149	32.4	195	41.6	231	48.0	179	36.9
White, Not Hispanic	16	4.3	10	2.7	10	2.7	24	6.7	17	4.7
Hispanic, All Races	*	*	*	*	5	10.6	12	23.0	7	12.8
Other Race, Not Hispanic	*	...	*	...	2	...	2	...	2	...
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Exposure Category</b>										
Heterosexual contact	74	...	61	...	85	...	97	...	72	...
Male-to-male sex (MSM)	66	...	52	...	72	...	77	...	55	...
Injection drug use (IDU)	6	...	5	...	6	...	*	...	*	...
MSM & IDU	0	...	*	...	*	...	*	...	*	...
Mother with/at risk for HIV	0	...	*	...	*	...	0	...	0	...
Infected blood products	0	...	0	...	0	...	*	...	0	...
Not Reported/Identified	48	...	45	...	47	...	89	...	75	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)



**Table 6: AIDS Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>113</b>	<b>26.0</b>	<b>110</b>	<b>25.5</b>	<b>143</b>	<b>32.6</b>	<b>187</b>	<b>42.2</b>	<b>137</b>	<b>30.7</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	0	0.0	*	*	0	0.0	*	*	*	*
<b>10 to 14</b>	0	0.0	0	0.0	0	0.0	*	*	0	0.0
<b>15 to 19</b>	*	*	0	0.0	*	*	0	0.0	*	*
<b>20 to 24</b>	10	32.4	13	43.1	11	36.8	23	70.1	11	32.1
<b>25 to 34</b>	25	44.9	26	48.6	41	65.6	44	70.3	31	48.9
<b>35 to 44</b>	45	72.1	33	54.1	38	63.0	52	87.1	39	65.5
<b>45 to 54</b>	22	34.3	25	38.7	33	53.4	46	74.0	33	54.3
<b>55 to 64</b>	8	16.9	12	24.8	16	33.9	17	34.5	17	33.2
<b>65+</b>	*	*	*	*	*	*	5	13.2	5	12.8
<b>Unknown</b>	0	...	0	...	0	...	0	...	0	0.0
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	100	46.4	99	46.4	132	60.7	157	70.2	114	50.7
<b>White, Not Hispanic</b>	10	5.5	9	5.0	6	3.4	20	11.5	16	9.1
<b>Hispanic, All Races</b>	*	*	*	*	*	*	8	27.7	5	16.8
<b>Other Race, Not Hispanic</b>	*	...	*	...	*	...	2	...	2	...
<b>Unknown</b>	0	...	0	...	0	...	0	...		...
<b>Exposure Category</b>										
<b>Heterosexual contact</b>	19	...	19	...	32	...	40	...	29	...
<b>Male-to-male sex (MSM)</b>	66	...	52	...	72	...	77	...	55	...
<b>Injection drug use (IDU)</b>	*	...	*	...	*	...	*	...	*	...
<b>MSM &amp; IDU</b>	*	...	*	...	*	...	*	...	*	...
<b>Infected blood products</b>	0	...	0	...	0	...	*	...	0	...
<b>Mother with/at risk for HIV</b>	0	...	0	...	0	...	0	...	0	...
<b>Not Reported/Identified</b>	25	...	35	...	37	...	66	...	50	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 7: AIDS Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>81</b>	<b>17.0</b>	<b>54</b>	<b>11.4</b>	<b>69</b>	<b>14.3</b>	<b>82</b>	<b>16.9</b>	<b>68</b>	<b>13.9</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	0	0.0	0	0.0	*	*	0	0.0	0	0.0
<b>10 to 14</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>15 to 19</b>	*	*	*	*	0	0.0	*	*	*	*
<b>20 to 24</b>	5	15.9	5	15.9	5	15.7	6	17.8	*	*
<b>25 to 34</b>	24	40.8	17	29.6	16	24.0	18	26.8	18	26.3
<b>35 to 44</b>	27	39.0	16	23.8	25	37.9	32	49.1	17	26.5
<b>45 to 54</b>	19	26.3	11	15.0	16	22.6	18	25.4	20	28.5
<b>55 to 64</b>	*	*	*	*	5	9.3	*	*	8	13.5
<b>65+</b>	*	*	*	*	*	*	*	*	*	*
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	74	29.7	50	20.2	63	24.8	74	28.3	65	24.9
<b>White, Not Hispanic</b>	6	3.1	*	*	*	*	*	*	*	*
<b>Hispanic, All Races</b>	*	*	*	*	*	*	*	*	*	*
<b>Other Race, Not Hispanic</b>	*	...	*	...	*	...	0	...	0	...
<b>Exposure Category</b>										
<b>Heterosexual contact</b>	55	...	42	...	53	...	57	...	43	...
<b>Injection drug use (IDU)</b>	*	...	*	...	*	...	*	...	0	...
<b>Mother with/at risk for HIV</b>	*	...	*	...	*	...	*	...	0	...
<b>Not Reported/Identified</b>	23	...	10	...	10	...	23	...	25	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Rates among exposure category cannot be calculated, as population denominator data is unknown. Data exported October 5, 2012 from EHARS.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 8: People Living with HIV/AIDS and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, as of December 31, 2011**

	Living with HIV		Living with AIDS		Living with HIV or AIDS	
	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>3587</b>	<b>383.6</b>	<b>3112</b>	<b>332.8</b>	<b>6699</b>	<b>716.4</b>
<b>Gender</b>						
Male	2379	533.8	2205	494.7	4584	1028.5
Female	1208	246.8	907	185.3	2115	432.2
Unknown	0	...	0	...	0	...
<b>Current Age</b>						
0 to 9	*	*	*	*	23	17.8
10 to 14	*	*	*	*	21	29.6
15 to 19	47	66.2	5	7.0	52	73.3
20 to 24	257	371.4	49	70.8	306	442.2
25 to 34	947	718.9	490	372.0	1437	1090.8
35 to 44	970	784.8	951	769.4	1921	1554.3
45 to 54	896	683.8	1064	812.1	1960	1495.9
55 to 64	352	318.4	437	395.3	789	713.7
65+	77	78.9	113	115.8	190	194.6
Unknown	0	...	0	...	0	...
<b>Race/Ethnicity</b>						
Black, Not Hispanic	3013	620.4	2566	528.4	5579	1148.8
White, Not Hispanic	490	136.0	447	124.0	937	260.0
Hispanic, All Races	59	108.0	70	128.2	129	236.2
Other Race, Not Hispanic	25	...	29	...	54	...
Unknown	0	...	0	...	0	...
<b>Exposure Category</b>						
Heterosexual contact	1074	...	958	...	2032	...
Male-to-male sex (MSM)	1320	...	1379	...	2699	...
Injection drug use (IDU)	95	...	157	...	252	...
MSM & IDU	48	...	60	...	108	...
Mother with/at risk for HIV	55	...	9	...	64	...
Infected blood products	11	...	8	...	19	...
Not Reported/Identified	984	...	541	...	1525	...

*Note: This represents the number of persons reported to be currently living with HIV or AIDS in Shelby County as of December 31, 2011. Data exported from EHARS October 5, 2012. Rates among exposure category cannot be calculated because population denominator data is unknown. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2011)

**Table 9: People Living with HIV/AIDS and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, as of December 31, 2011**

	Living with HIV		Living with AIDS		Living with HIV or AIDS	
	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>2379</b>	<b>533.8</b>	<b>2205</b>	<b>494.7</b>	<b>4584</b>	<b>1028.5</b>
<b>Current Age</b>						
0 to 9	*	*	*	*	10	15.2
10 to 14	*	*	*	*	11	30.7
15 to 19	*	*	*	*	31	87.0
20 to 24	192	560.0	36	105.0	228	665.0
25 to 34	595	938.7	318	501.7	913	1440.4
35 to 44	621	1043.7	602	1011.8	1223	2055.5
45 to 54	625	1028.3	821	1350.7	1446	2379.0
55 to 64	249	486.5	340	664.3	589	1150.8
65+	49	125.0	84	214.3	133	339.3
Unknown	0	...	0	...	0	...
<b>Race/Ethnicity</b>						
Black, Not Hispanic	1925	856.5	1744	776.0	3669	1632.4
White, Not Hispanic	397	226.8	387	221.1	784	447.9
Hispanic, All Races	40	134.1	53	177.7	93	311.9
Other Race, Not Hispanic	17	...	21	...	38	...
Unknown	0	...	0	...	0	...
<b>Exposure Category</b>						
Heterosexual contact	292	...	295	...	587	...
Male-to-male sex (MSM)	1320	...	1379	...	2699	...
Injection drug use (IDU)	55	...	96	...	151	...
MSM & IDU	48	...	60	...	108	...
Mother with/at risk for HIV	26	...	5	...	31	...
Infected blood products	8	...	7	...	15	...
Not Reported/Identified	630	...	363	...	993	...

*Note: This represents the number of persons reported to be currently living with HIV or AIDS in Shelby County as of December 31, 2011. Data exported from EHARS October 5, 2012. Rates among exposure category cannot be calculated because population denominator data is unknown. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2011)

**Table 10: People Living with HIV/AIDS and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, as of December 31, 2011**

	Living with HIV		Living with AIDS		Living with HIV or AIDS	
	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>1208</b>	<b>246.8</b>	<b>907</b>	<b>185.3</b>	<b>2115</b>	<b>432.2</b>
<b>Current Age</b>						
<b>0 to 9</b>	*	*	*	*	13	20.5
<b>10 to 14</b>	*	*	*	*	10	28.4
<b>15 to 19</b>	*	*	*	*	21	59.4
<b>20 to 24</b>	65	186.2	13	37.2	78	223.4
<b>25 to 34</b>	352	515.0	172	251.6	524	766.6
<b>35 to 44</b>	349	544.5	349	544.5	698	1089.0
<b>45 to 54</b>	271	385.8	243	345.9	514	731.7
<b>55 to 64</b>	103	173.5	97	163.4	200	336.8
<b>65+</b>	28	47.9	29	49.6	57	97.6
<b>Unknown</b>	0	...	0	...	0	...
<b>Race/Ethnicity</b>						
<b>Black, Not Hispanic</b>	1088	417.1	822	315.1	1910	732.2
<b>White, Not Hispanic</b>	93	50.2	60	32.4	153	82.6
<b>Hispanic, All Races</b>	19	76.6	17	68.6	36	145.2
<b>Other Race, Not Hispanic</b>	8	...	8	...	16	...
<b>Unknown</b>	0	...	0	...	0	...
<b>Exposure Category</b>						
<b>Heterosexual contact</b>	782	...	663	...	1445	...
<b>Injection drug use (IDU)</b>	40	...	61	...	101	...
<b>Mother with/at risk for HIV</b>	*	...	*	...	*	...
<b>Infected blood products</b>	*	...	*	...	*	...
<b>Not Reported/Identified</b>	354	...	178	...	532	...

*Note: This represents the number of persons reported to be currently living with HIV or AIDS in Shelby County as of December 31, 2011. Data exported from EHARS October 5, 2012. Rates among exposure category cannot be calculated because population denominator data is unknown. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation.*

Data source: Enhanced HIV/AIDS Reporting System (EHARS); American Community Survey 1-year Population Estimates (2011)

**Table 11: People Living with HIV/AIDS and Rates (per 100,000 population) by Zip Code, Shelby County Residents, as of December 31, 2011**

Zip Code	Living with HIV		Living with AIDS		Living with HIV or AIDS	
	N	Rate	N	Rate	N	Rate
38002	12	*	16	*	28	71.9
38016	35	81.2	30	69.6	65	150.9
38017	24	49.3	17	34.9	41	84.3
38018	49	139.8	33	94.1	82	233.9
38028	*	*	*	*	*	*
38053	20	71.6	31	111.0	51	182.6
38103	76	624.0	99	812.8	175	1436.8
38104	241	1029.5	228	974.0	469	2003.5
38105	133	2150.7	100	1617.1	233	3767.8
38106	221	811.8	201	738.4	422	1550.2
38107	175	988.8	137	774.1	312	1762.9
38108	131	699.5	123	656.7	254	1356.2
38109	266	570.9	250	536.5	516	1107.4
38111	174	416.8	153	366.5	327	783.4
38112	131	749.8	106	606.7	237	1356.5
38114	211	784.2	178	661.6	389	1445.8
38115	213	544.4	146	373.1	359	917.5
38116	250	618.8	207	512.3	457	1131.1
38117	46	176.1	25	95.7	71	271.8
38118	196	472.7	164	395.5	360	868.2
38119	45	201.5	39	174.7	84	376.2
38120	6	*	12	*	18	*
38122	77	304.7	71	281.0	148	585.7
38125	73	201.9	74	204.7	147	406.6
38126	102	1390.8	67	913.6	169	2304.3
38127	232	512.7	198	437.6	430	950.3
38128	142	316.5	137	305.4	279	621.9
38133	17	*	13	*	30	144.3
38134	129	307.5	108	257.5	237	565.0
38135	18	*	18	*	36	117.4
38138	11	*	11	*	22	91.5
38139	*	*	*	*	*	*
38141	67	298.3	58	258.2	125	556.5
Other	57	...	56	...	113	...
Total	3587	...	3112	...	6699	722.2

Morbidity based on date of diagnosis. HIV disease cases include persons with a new diagnosis of HIV infection, which may include persons concurrently diagnosed with AIDS. Case counts of less than five have been suppressed; rates based on fewer than 20 events are considered unreliable and have also been suppressed. "Other" includes PO Boxes, unique addresses and unknown zip codes. Data exported October 5, 2012 from EHARS.

Data source: Enhanced HIV/AIDS Reporting System (EHARS); 2010 US Census Zip-Code Population Estimates.

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**Table 12: Deaths due to HIV Disease and Age-Adjusted Mortality Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>92</b>	<b>10.3</b>	<b>137</b>	<b>15.2</b>	<b>121</b>	<b>13.2</b>	<b>95</b>	<b>10.5</b>	<b>59</b>	<b>6.5</b>
<b>Gender</b>										
Male	58	13.5	89	20.5	90	21.3	62	14.7	39	9.2
Female	34	7.4	48	10.2	31	6.2	33	7.0	20	4.3
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Age at Death</b>										
20 to 24	*	*	*	*	*	*	*	*	*	*
25 to 34	21	18.3	28	25.2	21	16.2	14	10.8	13	9.9
35 to 44	32	24.3	40	31.2	33	26.1	29	23.2	20	16.2
45 to 54	27	19.8	40	29.0	39	29.4	28	21.1	8	6.1
55 to 64	9	9.0	21	20.1	19	18.9	12	11.4	12	10.9
65+	*	*	*	*	*	*	*	*	*	*
Unknown	0	...	0	...	0	...	0	...	0	...
<b>Race/Ethnicity</b>										
Black, Not Hispanic	86	19.4	123	27.3	108	24.0	81	18.0	52	11.6
White, Not Hispanic	*	*	13	3.2	12	2.3	12	2.7	7	2.0
Hispanic, All Races	*	*	*	*	*	*	*	*	*	*
Other Race, Not Hispanic	*	...	*	...	*	...	*	...	*	...
Unknown	0	...	0	...	0	...	0	...	0	...

*These are the number of deaths occurring in Shelby County among Shelby County residents due to HIV as the primary cause of death as reported on the death certificate. Deaths less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation.*

Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Death Certificate Data for Shelby County Residents, 2007-2011; American Community Survey 1-year Population Estimates (2007-2009, 2011); Decennial Census 1-year Population Estimates (2010); US 2000 Standard Population Weights

**Table 13: Syphilis Cases and Rates (per 100,000 population/births) by Stage of Disease, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL, All Stages</b>	<b>714</b>	<b>78.5</b>	<b>679</b>	<b>74.9</b>	<b>718</b>	<b>78.0</b>	<b>700</b>	<b>75.5</b>	<b>551</b>	<b>58.9</b>
<b>Total, Early Syphilis</b>	396	43.5	379	41.8	405	44.0	374	40.3	273	29.2
<b>Primary and Secondary</b>	194	21.3	196	21.6	175	19.0	141	15.2	110	11.8
<b>Early Latent</b>	202	22.2	183	20.2	230	25.0	233	25.1	163	17.4
<b>Total, Late Syphilis</b>	316	34.7	293	32.3	302	32.8	315	34.0	271	29.0
<b>Latent, Unknown Duration</b>	54	5.9	49	5.4	46	5.0	66	7.1	64	6.8
<b>Late Latent</b>	262	28.8	244	26.9	256	27.8	249	26.8	207	22.1
<b>Neurosyphilis</b>	*	*	*	*	*	*	*	*	*	*
<b>Congenital Syphilis</b>	*	*	7	46.5	11	76.3	11	79.8	7	50.0

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Early, late and total Syphilis Rates expressed per 100,000 persons; congenital syphilis rates expressed per 100,000 live births.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2007-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)



**Table 14: Primary and Secondary Syphilis Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>194</b>	<b>21.3</b>	<b>196</b>	<b>21.6</b>	<b>175</b>	<b>19.0</b>	<b>141</b>	<b>15.2</b>	<b>110</b>	<b>11.8</b>
<b>Gender</b>										
Male	113	26.0	137	31.7	113	25.8	113	25.5	91	20.4
Female	81	17.0	59	12.4	62	12.9	28	5.8	19	3.9
Unknown	0	...	0	...	0	...	0	...	0	0.0
<b>Age at Diagnosis</b>										
0 to 9	0	0.0	0	0.0	0	0.0	0	0.0	*	*
10 to 14	*	*	0	0.0	*	*	*	*	*	*
15 to 19	18	26.2	23	33.6	22	32.3	10	13.9	9	12.7
20 to 24	31	49.7	37	60.1	54	87.6	35	52.7	34	49.1
25 to 34	53	46.3	64	57.6	57	44.1	52	40.1	36	27.3
35 to 44	49	37.2	47	36.6	20	15.8	26	20.8	15	12.1
45 to 54	26	19.1	20	14.5	15	11.3	16	12.0	11	8.4
55 to 64	12	12.0	*	*	*	*	*	*	*	*
65+	*	*	*	*	*	*	0	0.0	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	0.0
<b>Race/Ethnicity</b>										
Black, Not Hispanic	184	39.7	183	39.8	162	34.5	125	26.0	102	21.0
White, Not Hispanic	6	1.6	10	2.7	11	3.0	9	2.5	7	1.9
Hispanic, All Races	*	*	*	*	*	*	5	9.6	*	*
Other Race, Not Hispanic	*	...	*	...	*	...	0	...	*	...
Unknown	0	...	0	...	1	...	2	...	0	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMIS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 15: Primary and Secondary Syphilis Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>113</b>	<b>26.0</b>	<b>137</b>	<b>31.7</b>	<b>113</b>	<b>25.8</b>	<b>113</b>	<b>25.5</b>	<b>91</b>	<b>20.4</b>
<b>Age at Diagnosis</b>										
0 to 9	0	0.0	0	0.0	0	0.0	0	0.0	*	*
10 to 14	*	*	0	0.0	0	0.0	0	0.0	*	*
15 to 19	9	25.8	14	39.7	7	20.2	8	22.1	5	14.0
20 to 24	18	58.3	33	109.3	34	113.8	25	76.2	31	90.4
25 to 34	34	61.1	48	89.7	43	68.8	48	76.6	30	47.3
35 to 44	25	40.1	27	44.2	15	24.9	21	35.2	13	21.8
45 to 54	16	25.0	12	18.6	9	14.6	9	14.5	8	13.2
55 to 64	9	19.0	*	*	*	*	*	*	*	*
65+	*	*	*	*	*	*	*	*	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	0.0
<b>Race/Ethnicity</b>										
Black, Not Hispanic	109	50.6	130	60.9	103	47.4	99	44.2	83	36.9
White, Not Hispanic	*	*	6	3.3	8	4.5	9	5.2	7	4.0
Hispanic, All Races	*	*	*	*	*	*	*	*	*	*
Other Race, Not Hispanic	*	...	*	...	*	...	*	...	*	...
Unknown	0	...	0	...	1	...	1	...	0	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 16: Primary and Secondary Syphilis Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>81</b>	<b>17.0</b>	<b>59</b>	<b>12.4</b>	<b>62</b>	<b>12.9</b>	<b>28</b>	<b>5.8</b>	<b>19</b>	<b>3.9</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>10 to 14</b>	*	*	*	*	*	*	0	0.0	0	0.0
<b>15 to 19</b>	9	26.6	9	27.2	15	44.9	*	*	*	*
<b>20 to 24</b>	13	41.2	4	12.7	20	62.9	10	29.7	*	*
<b>25 to 34</b>	19	32.3	16	27.8	14	21.0	*	*	6	8.8
<b>35 to 44</b>	24	34.7	20	29.7	5	7.6	5	7.7	*	*
<b>45 to 54</b>	10	13.8	8	10.9	6	8.5	7	9.9	*	*
<b>55 to 64</b>	*	*	*	*	*	*	0	0.0	*	*
<b>65+</b>	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Unknown</b>	0	...	0	...	0	...	0	...	0	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	75	30.1	53	21.4	59	23.3	26	10.0	19	7.3
<b>White, Not Hispanic</b>	5	2.6	*	*	*	*	0	0.0	0	0.0
<b>Hispanic, All Races</b>	*	*	*	*	*	*	*	*	0	0.0
<b>Other Race, Not Hispanic</b>	*	...	0	...	0	...	*	...	0	...
<b>Unknown</b>	0	...	0	...	0	...	1	...	0	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMIS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 17: Syphilis Cases (all stages) and 3-Year Aggregated Rates (per 100,000 population) by Zip Code, Shelby County Residents, 2007-2017**

Zip Code	2007 N	2008 N	2009 N	2010 N	2011 N	2007-2009 Rate	2008-2010 Rate	2009-2011 Rate
38002	*	*	*	*	*	*	*	*
38016	9	5	*	*	8	*	*	*
38017	5	*	*	*	*	*	*	*
38018	*	5	*	*	6	*	*	*
38028	*	*	0	0	0	*	*	*
38053	10	6	12	8	*	33.4	31.0	25.1
38103	10	6	5	8	*	57.5	*	*
38104	21	23	24	22	19	96.8	98.3	92.6
38105	22	14	17	23	6	285.7	291.1	248.0
38106	58	38	52	38	32	181.2	156.7	149.4
38107	45	38	28	41	34	209.1	201.5	194.0
38108	60	41	36	54	33	243.8	233.2	218.9
38109	74	72	71	58	48	155.2	143.8	126.6
38111	29	38	60	36	47	101.4	107.0	114.2
38112	32	18	16	24	11	125.9	110.7	97.3
38114	50	52	54	47	44	193.3	189.6	179.6
38115	31	36	33	32	26	85.2	86.0	77.5
38116	43	48	56	38	39	121.3	117.2	109.7
38117	*	5	*	*	*	*	*	*
38118	35	41	45	48	31	97.3	107.7	99.7
38119	*	*	5	11	7	*	29.9	34.3
38120	0	0	*	0	*	*	*	*
38122	7	18	14	21	13	51.4	69.9	63.3
38125	7	16	10	14	16	30.4	36.9	36.9
38126	10	18	17	20	6	204.5	250.0	195.4
38127	70	57	62	56	47	139.2	128.9	121.6
38128	27	27	30	21	27	62.4	58.0	58.0
38133	*	*	*	7	5	*	*	*
38134	12	8	18	15	8	30.2	32.6	32.6
38135	7	6	*	6	5	*	*	*
38138	0	*	*	0	*	*	*	*
38139	0	0	*	0	*	*	*	*
38141	11	14	10	20	10	51.9	65.3	59.4
Other	9	12	23	17	6	...	...	...
Total	714	679	718	700	551	75.9	75.4	70.8

Morbidity based on report date. Case counts of less than five have been suppressed; 3-year aggregated rates based on fewer than 20 events are considered unreliable and have also been suppressed. "Other" includes PO Boxes, unique addresses and unknown zip codes.

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 18: Chlamydia Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>9463</b>	<b>1039.8</b>	<b>9767</b>	<b>1077.1</b>	<b>10825</b>	<b>1176.3</b>	<b>9975</b>	<b>1075.3</b>	<b>9802</b>	<b>1048.2</b>
<b>Gender</b>										
Male	2070	476.0	2200	509.0	2575	587.1	2292	517.8	2482	556.9
Female	7393	1555.5	7567	1594.3	8249	1712.8	7680	1583.5	7320	1495.7
Unknown	0	...	0	...	1	...	3	...	0	...
<b>Age at Diagnosis</b>										
0 to 9	28	20.6	20	14.7	20	14.6	7	5.3	7	5.4
10 to 14	195	281.8	156	234.3	162	226.4	138	199.7	139	195.7
15 to 19	3699	5374.9	3881	5675.9	4350	6395.6	3858	5373.3	3590	5057.2
20 to 24	3033	4859.6	3140	5098.1	3577	5803.0	3509	5280.7	3542	5118.4
25 to 34	1947	1699.9	1951	1756.8	2011	1556.0	1901	1465.0	1901	1443.0
35 to 44	412	313.0	438	341.4	495	392.1	375	300.1	440	356.0
45 to 54	103	75.5	129	93.6	150	113.1	137	103.1	130	99.2
55 to 64	32	32.0	31	29.6	43	42.7	39	36.9	42	38.0
65+	14	15.4	21	22.7	17	18.2	7	7.4	7	7.2
Unknown	0	...	0	...	0	...	4	...	4	...
<b>Race/Ethnicity</b>										
Black, Not Hispanic	8549	1842.4	8497	1846.8	9495	2023.8	8977	1864.6	8936	1840.1
White, Not Hispanic	575	153.2	504	136.0	518	140.6	574	159.8	619	171.8
Hispanic, All Races	199	523.6	159	390.4	156	330.4	223	428.1	177	324.1
Other Race, Not Hispanic	98	...	54	...	73	...	61	...	58	...
Unknown	42	...	553	...	583	...	140	...	12	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMIS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 19: Chlamydia Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>2070</b>	<b>476.0</b>	<b>2200</b>	<b>509.0</b>	<b>2575</b>	<b>587.1</b>	<b>2292</b>	<b>517.8</b>	<b>2482</b>	<b>556.9</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	10	14.3	10	14.7	9	13.2	*	*	*	*
<b>10 to 14</b>	15	44.0	17	49.9	17	46.1	10	28.3	18	50.2
<b>15 to 19</b>	607	1737.1	650	1843.6	811	2343.5	704	1944.6	702	1970.2
<b>20 to 24</b>	665	2154.0	703	2328.3	874	2926.2	794	2421.2	858	2502.5
<b>25 to 34</b>	546	981.1	583	1088.9	575	920.6	559	892.6	632	997.1
<b>35 to 44</b>	170	272.5	166	272.0	197	326.6	146	244.5	191	321.0
<b>45 to 54</b>	43	67.1	53	82.1	67	108.4	56	90.1	55	90.5
<b>55 to 64</b>	13	27.5	12	24.8	16	33.9	16	32.5	16	31.3
<b>65+</b>	1	2.8	6	16.2	9	24.1	*	*	*	*
<b>Unknown</b>	0	...	0	...	0	...	1	...	3	0.7
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	1896	880.5	1925	901.6	2229	1024.8	2094	935.8	2284	1016.2
<b>White, Not Hispanic</b>	99	54.3	88	48.8	98	54.8	110	63.3	145	82.8
<b>Hispanic, All Races</b>	37	170.2	26	114.7	27	102.3	33	114.4	25	83.8
<b>Other Race, Not Hispanic</b>	29	...	14	...	22	...	22	...	25	...
<b>Unknown</b>	9	...	147	...	199	...	33	...	3	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMIS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 20: Chlamydia Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>7393</b>	<b>1555.5</b>	<b>7567</b>	<b>1594.3</b>	<b>8249</b>	<b>1712.8</b>	<b>7680</b>	<b>1583.5</b>	<b>7320</b>	<b>1495.7</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	18	27.2	10	14.8	11	16.1	*	*	*	*
<b>10 to 14</b>	180	513.1	139	427.1	145	418.2	128	378.8	121	343.9
<b>15 to 19</b>	3092	9127.1	3231	9755.7	3539	10593.3	3151	8851.9	2888	8167.9
<b>20 to 24</b>	2368	7508.2	2437	7761.6	2703	8507.2	2715	8066.7	2684	7687.2
<b>25 to 34</b>	1401	2379.4	1368	2378.6	1436	2150.4	1342	1999.1	1269	1856.5
<b>35 to 44</b>	242	349.4	272	404.4	298	452.1	229	351.0	249	388.5
<b>45 to 54</b>	60	82.9	76	103.6	83	117.2	81	114.5	75	106.8
<b>55 to 64</b>	19	36.0	19	33.8	27	50.4	23	40.8	26	43.8
<b>65+</b>	13	23.5	15	27.0	7	12.5	*	*	*	*
<b>Unknown</b>	0	...	0	...	0	...	3	...	1	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	6653	2666.5	6572	2650.7	7266	2863.6	6882	2635.9	6652	2549.9
<b>White, Not Hispanic</b>	476	246.9	416	218.6	420	221.5	464	252.1	474	255.8
<b>Hispanic, All Races</b>	162	996.3	133	736.3	129	619.5	190	805.3	152	613.2
<b>Other Race, Not Hispanic</b>	69	...	40	...	51	...	39	...	33	...
<b>Unknown</b>	33	...	406	...	383	...	105	...	9	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 21: Reported Chlamydia Infections and Rates (per 100,000 population) by Zip Code, Shelby County Residents, 2007-2011**

Zip Code	2007 N	2008 N	2009 N	2010 N	2011 N	2007-2009 Rate	2008-2010 Rate	2009-2011 Rate
38002	66	66	81	90	80	182.4	202.9	214.9
38016	87	88	102	134	155	214.3	250.7	302.5
38017	78	85	87	78	87	171.3	171.3	172.7
38018	87	99	142	104	104	311.9	328.0	332.8
38028	14	16	12	13	*	203.4	198.6	*
38053	128	111	134	122	126	445.1	438.0	455.9
38103	40	38	48	27	44	344.8	309.3	325.7
38104	124	107	127	115	132	509.8	497.0	532.6
38105	118	115	155	122	138	2091.4	2113.0	2237.0
38106	645	666	632	604	636	2379.2	2329.0	2292.3
38107	363	365	425	369	293	2171.6	2182.9	2047.3
38108	351	301	348	327	285	1779.8	1737.1	1708.6
38109	942	999	981	922	912	2091.7	2077.4	2015.1
38111	428	435	467	474	481	1062.1	1098.8	1135.5
38112	293	271	308	253	234	1663.6	1587.3	1516.7
38114	601	579	666	550	616	2287.1	2223.9	2269.7
38115	602	548	649	616	748	1532.5	1544.5	1714.8
38116	718	813	863	766	741	1975.1	2014.7	1955.3
38117	60	41	65	72	68	211.8	227.1	261.6
38118	689	811	830	733	758	1873.1	1908.4	1865.8
38119	127	117	143	112	102	577.7	555.3	532.9
38120	39	12	45	25	19	224.8	192.0	208.4
38122	192	183	198	200	160	755.8	766.4	736.1
38125	234	237	288	306	304	699.9	766.3	828.0
38126	235	241	291	209	193	3486.0	3367.9	3149.7
38127	993	938	1023	1021	855	2176.2	2196.8	2135.6
38128	532	595	614	728	613	1293.6	1439.2	1452.6
38133	63	58	79	83	67	320.7	352.8	367.2
38134	192	214	264	249	236	532.4	577.7	595.2
38135	67	92	114	121	102	296.8	355.5	366.4
38138	45	32	25	29	25	141.4	119.2	109.5
38139	15	5	9	6	*	60.1	41.4	*
38141	214	230	265	268	285	1052.1	1132.3	1213.9
Other	81	259	345	127	185	...	...	...
Total	9463	9767	10825	9975	9802	1080.0	1098.4	1099.6

Morbidity based on report date. Case counts of less than five and the corresponding rates have been suppressed.  
 "Other" includes PO Boxes, unique addresses and unknown zip codes.

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMIS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)



**Table 22: Gonorrhea Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>4092</b>	<b>449.6</b>	<b>3829</b>	<b>422.2</b>	<b>3826</b>	<b>415.8</b>	<b>3480</b>	<b>375.1</b>	<b>3382</b>	<b>361.7</b>
<b>Gender</b>										
Male	1727	397.2	1720	398.0	1720	392.1	1532	346.1	1464	328.5
Female	2365	497.6	2109	444.4	2105	437.1	1947	401.4	1918	391.9
Unknown	0	...	0	...	1	...	1	...	0	...
<b>Age at Diagnosis</b>										
0 to 9	*	*	6	4.4	7	5.1	*	*	*	*
10 to 14	86	124.3	53	79.6	58	81.1	44	63.7	44	61.9
15 to 19	1456	2115.7	1335	1952.4	1288	1893.7	1216	1693.6	1184	1667.9
20 to 24	1142	1829.8	1195	1940.2	1251	2029.5	1178	1772.8	1212	1751.4
25 to 34	937	818.1	830	747.4	838	648.4	746	574.9	667	506.3
35 to 44	311	236.3	251	195.6	252	199.6	190	152.0	171	138.4
45 to 54	120	88.0	113	82.0	101	76.2	78	58.7	82	62.6
55 to 64	28	28.0	38	36.3	25	24.8	16	15.1	17	15.4
65+	*	*	8	8.6	6	6.4	*	*	*	*
Unknown	0	...	0	...	0	...	4	...	0	...
<b>Race/Ethnicity</b>										
Black, Not Hispanic	3856	831.0	3501	760.93	3515	749.2	3315	688.6	3246	668.4
White, Not Hispanic	160	42.6	111	29.96	103	28.0	102	28.4	106	29.4
Hispanic, All Races	24	63.2	29	71.21	28	59.3	28	53.8	15	27.5
Other Race, Not Hispanic	41	...	25	...	17	...	12	...	11	...
Unknown	11	...	163	...	163	...	23	...	4	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 23: Gonorrhea Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Male Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>1727</b>	<b>397.2</b>	<b>1720</b>	<b>398.0</b>	<b>1720</b>	<b>392.1</b>	<b>1532</b>	<b>346.1</b>	<b>1464</b>	<b>328.5</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	*	*	*	*	0	0.0	*	*	0	0.0
<b>10 to 14</b>	16	46.9	9	26.4	13	35.3	*	*	8	22.3
<b>15 to 19</b>	406	1161.9	433	1228.1	455	1314.8	415	1146.3	379	1063.7
<b>20 to 24</b>	466	1509.4	531	1758.6	548	1834.7	515	1570.5	516	1505.0
<b>25 to 34</b>	518	930.8	463	864.8	448	717.2	393	627.5	370	583.8
<b>35 to 44</b>	202	323.8	164	268.7	161	266.9	128	214.3	113	189.9
<b>45 to 54</b>	88	137.3	82	127.1	69	111.6	62	99.8	60	98.7
<b>55 to 64</b>	24	50.7	30	61.9	20	42.4	13	26.4	16	31.3
<b>65+</b>	*	*	*	*	6	16.1	*	*	*	*
<b>Unknown</b>	0	...	0	...	0	...	1	...	0	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	1636	759.8	1576	738.1	1575	724.1	1467	655.6	1397	621.6
<b>White, Not Hispanic</b>	55	30.1	33	18.3	26	14.5	33	19.0	45	25.7
<b>Hispanic, All Races</b>	7	32.2	16	70.6	6	22.7	14	48.6	10	33.5
<b>Other Race, Not Hispanic</b>	22	...	14	...	10	...	3	...	10	...
<b>Unknown</b>	7	...	81	...	103	...	15	...	2	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 24: Gonorrhea Cases and Rates (per 100,000 population) by Selected Characteristics, Shelby County Female Residents, 2007-2011**

	2007		2008		2009		2010		2011	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
<b>TOTAL</b>	<b>2365</b>	<b>497.6</b>	<b>2109</b>	<b>444.4</b>	<b>2105</b>	<b>437.1</b>	<b>1947</b>	<b>401.4</b>	<b>1918</b>	<b>391.9</b>
<b>Age at Diagnosis</b>										
<b>0 to 9</b>	*	*	*	*	7	10.2	*	*	*	*
<b>10 to 14</b>	70	199.5	44	135.2	45	129.8	41	121.3	36	102.3
<b>15 to 19</b>	1050	3099.4	902	2723.5	833	2493.4	801	2250.2	805	2276.7
<b>20 to 24</b>	676	2143.4	664	2114.8	703	2212.6	662	1966.9	696	1993.4
<b>25 to 34</b>	419	711.6	367	638.1	390	584.0	353	525.9	297	434.5
<b>35 to 44</b>	109	157.4	87	129.3	90	136.5	62	95.0	58	90.5
<b>45 to 54</b>	32	44.2	31	42.3	32	45.2	16	22.6	22	31.3
<b>55 to 64</b>	*	*	8	14.2	5	9.3	*	*	*	*
<b>65+</b>	*	*	*	*	0	0.0	*	*	*	*
<b>Unknown</b>	0	...	0	...	0	...	3	...	0	...
<b>Race/Ethnicity</b>										
<b>Black, Not Hispanic</b>	2220	889.8	1925	776.4	1940	764.6	1847	707.4	1849	708.8
<b>White, Not Hispanic</b>	105	54.5	78	41.0	77	40.6	69	37.5	61	32.9
<b>Hispanic, All Races</b>	17	104.6	13	72.0	22	105.7	14	59.3	5	20.2
<b>Other Race, Not Hispanic</b>	19	...	11	...	7	...	9	...	1	...
<b>Unknown</b>	4	...	82	...	59	...	8	...	2	...

*Morbidity based on date of diagnosis. Case counts of less than five and the corresponding rates have been suppressed. In categories with only one cell suppression, the next smallest cell was suppressed to prohibit back-calculation. Individuals reporting a specified race but unknown ethnicity are categorized within the known racial category.*

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

**Table 25: Gonorrhea Cases and 3 Year Aggregated Rates (per 100,000 population) by Zip Code, Shelby County Residents, 2007-2010**

Zip Code	2007 N	2008 N	2009 N	2010 N	2011 N	2007-2009 Rate	2008-2010 Rate	2009-2011 Rate
38002	26	11	17	23	15	46.2	43.7	47.1
38016	28	23	27	39	40	60.4	68.9	82.0
38017	20	21	20	22	12	41.8	43.2	37.0
38018	28	22	28	33	44	74.2	78.9	99.8
38028	*	*	*	*	*	*	*	*
38053	42	26	37	29	32	125.3	109.8	117.0
38103	13	13	20	10	13	125.9	117.7	117.7
38104	66	48	49	33	49	232.1	185.1	186.5
38105	63	80	62	35	44	1105.0	954.1	760.0
38106	316	288	262	226	272	1060.4	950.2	930.6
38107	204	174	166	132	121	1024.6	889.0	789.2
38108	176	148	165	125	120	870.3	779.5	729.7
38109	451	391	348	329	306	851.9	764.5	703.7
38111	202	187	193	199	184	464.8	462.4	460.0
38112	137	127	114	91	77	721.2	633.4	538.0
38114	258	278	248	240	241	971.3	949.0	903.2
38115	198	215	220	240	226	539.2	575.0	584.4
38116	319	269	302	247	258	734.3	674.9	665.8
38117	22	10	23	22	28	70.2	70.2	93.1
38118	291	284	283	273	239	689.7	675.3	639.1
38119	35	40	43	34	32	176.1	174.7	162.7
38120	9	*	*	*	*	*	*	*
38122	68	69	53	58	50	250.6	237.4	212.4
38125	89	78	121	104	91	265.6	279.4	291.4
38126	107	113	94	78	85	1427.1	1295.3	1168.1
38127	433	419	383	367	333	909.8	861.2	797.8
38128	245	213	220	210	208	503.8	477.8	474.0
38133	14	10	15	16	17	62.5	65.7	77.0
38134	71	74	50	72	55	155.0	155.7	140.7
38135	35	22	36	21	30	101.1	85.9	94.6
38138	8	*	*	6	*	*	*	*
38139	*	0	*	0	*	*	*	*
38141	85	81	111	117	93	411.1	458.6	476.4
Other	28	85	108	43	58	...	...	...
Total	4092	3829	3826	3480	3382	422.1	400.1	384.1

Morbidity based on report date. Case counts of less than five have been suppressed; 3-year aggregated rates based on fewer than 20 events are considered unreliable and have also been suppressed. "Other" includes PO Boxes, unique addresses and unknown zip codes.

Data Source: Sexually Transmitted Disease Management Surveillance System (STDMS) (2006-2009); Patient Reporting Investigation Surveillance Manager (PRISM) (2010-2011); American Community Survey 1-Year Population Estimates (2006-2009, 2011); Decennial Census 1-year Population Estimates (2010)

## ***Death Records***

Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics. Death Statistical System, 2007-2011. Nashville, Tennessee.

Note: "The National Center for Health Statistics receives information on births and deaths through a program of voluntary cooperation with state government agencies (state departments of health, state offices of vital statistics) called the Vital Statistics Cooperative Program. A standard certificate of death is used to record death information on each decedent. Death certificates capture decedent demographics, underlying cause of death (using an ICD-10 code), and contributions of selected factors to the death (i.e. smoking, accident or injury). Reporting of deaths in Tennessee is universal and 100% complete."<sup>1</sup>

## ***HIV/AIDS Surveillance Data***

Tennessee Department of Health, HIV/STD Program. Enhanced HIV/AIDS Reporting System, 2011. Nashville, Tennessee.

Note: "In 1984, the Tennessee Department of Health established a surveillance system to track newly diagnosed AIDS cases. This surveillance system was expanded in 1993 to include confidential, name-based HIV reporting. Standardized case report forms are used; these forms collect sociodemographic information, mode of exposure, laboratory and clinical information, vital status (i.e., living or dead), and referrals for treatment or services. Based on state evaluations (Tennessee HIV/AIDS Program), HIV infection reporting is estimated to be >95% complete for persons who have tested positive for HIV. HIV surveillance data may underestimate the number of recently infected persons because some infected persons either do not know they are infected or have not sought testing. Persons who have tested positive in an anonymous, or out-of-state, test site and have not sought medical care, where they would be confidentially tested, are not included in HIV surveillance statistics. Therefore, HIV infection data can only provide minimum estimates of the number of persons purported to be HIV-infected. In addition, newly reported cases may be reported to the health department at any point along the clinical spectrum of disease when first diagnosed. Consequently, HIV infection data do not necessarily represent characteristics of persons who have been recently infected with HIV."<sup>1</sup>

## ***STD Case Reporting***

Tennessee Department of Health, HIV/STD Program. Patient Reporting and Investigation Surveillance Manager, 2011; Sexually Transmitted Disease Management Surveillance System, 2006-2009. Nashville, Tennessee.

Note: "The Tennessee Department of Health HIV/STD/AIDS Section conducts statewide surveillance to determine the number of reported cases of STDs and to monitor trends. Other services include partner counseling and, to help reduce the spread of STDs, referral services for examination and treatment....STD surveillance data can serve as a surrogate marker for unsafe sexual practices and demonstrate the prevalence of changes in a specific behavior (e.g., rates of rectal gonorrhea). STD data are widely available at the state and local level. Because of shorter incubation time periods between exposure and infection, STDs can serve as a marker of recent unsafe sexual behavior. In addition, certain STDs (i.e., ulcerative STDs) can facilitate transmission and/or acquisition of HIV infection. Finally, changes in trends of STDs may indicate changes in community sexual norms, such as unprotected sex. Some STDs are reportable, but requirements for reporting vary across states. Reporting of STDs from private sector providers may be less complete. Although STD risk behaviors result from unsafe sexual behavior, they do not necessarily correlate with HIV risk."<sup>1</sup>

<sup>1</sup>. Tennessee Department of Health, 2005. 2005 Tennessee Integrated Epidemiologic Profile for HIV/AIDS Prevention and Care Planning. Website: [http://health.state.tn.us/STD/PDFs/Epi\\_Profile2005.pdf](http://health.state.tn.us/STD/PDFs/Epi_Profile2005.pdf)